

ABSTRACT OF THE DISCLOSURE

A vibrator has a frame portion having a planar frame shape, an in-frame fixed portion which is fixed to a base portion and located in the inner space surrounded by the inner periphery of the frame portion, and a driving electrode comprising a first driving electrode disposed so as to confront the outer peripheral portion of the vibrator, and a second driving electrode which is equipped to the in-frame fixed portion so as to confront the inner peripheral portion of the frame portion, and the back-side portion of the in-frame fixed portion and the inner peripheral portion of the frame portion confronting the back-side portion are designed in an unevenly-shaped portion.